

Converting Colors

CIELCh(20, 108.765, 330.674)

Have a look what the booklet for
CIELCh(20, 108.765, 330.674)
contains.

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Color

CIELCh(31, 69.656, 329.430)

Conversions

Conversions Part 1

Format	Color
Hex	860181
RGB	134, 1, 129
RGB Percent	53%, 0%, 51%
CMY	0.4764, 0.9956, 0.4922
CMYK	0.00, 0.99, 0.03, 0.48
HSL	302°, 98%, 26%
HSV	302°, 99%, 52%
XYZ	13.7631, 6.6515, 21.4986
YIQ	55.3590, 38.1800, 68.0040

Conversions

Conversions Part 2

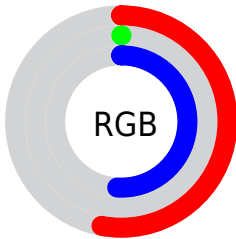
Format	Color
R_{YB}	134, 1, 129
Decimal	8782209
CIE _{Lab}	31.00, 59.97, -35.43
CIE _{LCh}	31, 69.656, 329.430
Yxy	6.6515, 0.3284, 0.1587
Android (android.graphics.Color)	4286972289 (0xFF860181)
YUV	55.3590, 36.3050, 68.9682
Hunter-Lab	25.7905, 50.1233, -31.3700

Details

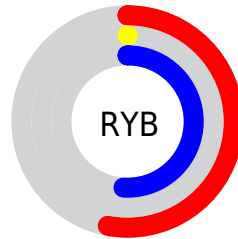
The CIELCh color **31, 69.656, 329.430** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **48, 73.202, 136.425**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 69.305, 329.957**, and **17, 49.398, 328.691** is the 20% darker color. If you saturate the color by 10%, you get **31, 69.833, 329.447**, and if you desaturate by 10%, it is **32, 67.469, 329.226**.

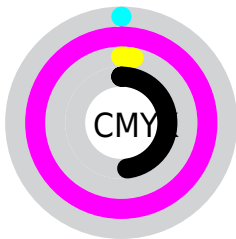
Distribution



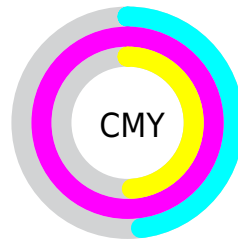
- Red (53%)
- Green (0%)
- Blue (51%)



- Red (53%)
- Yellow (0%)
- Blue (51%)



- Cyan (0%)
- Magenta (99%)
- Yellow (3%)
- Black (48%)





- Cyan (48%)
- Magenta (100%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 69.656, 329.430 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 31, 69.656, 329.430 by changing the saturation by 10% instead.


 31, 69.656,
329.430


 31, 69.656,
329.430

 100, 69.656,
329.430


 21, 69.656,
329.430

 51, 69.656,
329.430


 11, 69.656,
329.430


 61, 69.656,
329.430

 1, 69.656, 329.430

 71, 69.656,
329.430

 0, 69.656, 329.430

 81, 69.656,
329.430

 91, 69.656,
329.430

■ 31, 69.656,
329.430

■ 31, 69.656,
329.430

■ 31, 69.833,
329.447

■ 32, 67.469,
329.226

■ 33, 63.979,
328.971

■ 35, 58.825,
328.649

■ 37, 52.222,
328.261

■ 39, 44.488,
327.818

■ 42, 35.963,
327.332

■ 45, 26.957,
326.815

■ 49, 17.720,

326.279

■ 52, 8.437, 325.730

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31, 69.656, 329.430



48, 73.202, 136.425

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31, 69.656, 329.430



31, 69.656, 19.430



31, 69.656, 149.430



31, 69.656, 199.430

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31, 69.654, 329.430



58, 34.312, 326.894



14, 82.167, 306.248



28, 23.265, 327.080



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31, 69.654, 329.430



41, 84.517, 329.475



28, 52.236, 1.999



26, 5.164, 325.728



30, 68.518, 329.444



0, 1.230, 325.261

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



31, 69.654, 329.430



41, 84.517, 329.475



49, 53.110, 150.832



26, 5.164, 325.728



30, 68.518, 329.444



0, 1.230, 325.261

Previews

White Background



This preview shows how the CIELCh color 31, 69.656, 329.430 looks on a white background.

Color Contrast Check

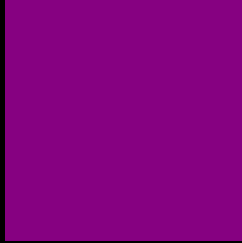
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 31, 69.656, 329.430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

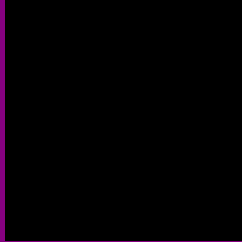
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 69.656, 329.430

Background



This preview shows how black text looks on a background with the CIELCh color 31, 69.656, 329.430.



This preview shows how white text looks on a background with the CIELCh color 31, 69.656, 329.430.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

31, 69.476, 329.726

Protanopia

32, 52.016, 286.153

Deuteranopia

32, 29.624, 279.942



Tritanopia
32, 35.905, 23.942

Trichromacy



Original Color
31, 69.476, 329.726

Protanomaly
26, 63.495, 301.276

Deuteranomaly
28, 49.398, 309.347

Tritanomaly
30, 45.131, 353.075

Monochromacy



Original Color
31, 69.476, 329.726

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 35.302, 328.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 69.656, 329.430 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(134, 1, 129)` looks like.

```
.text, #text, p{  
    color:rgb(134, 1, 129)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(134, 1, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 1, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 69.656, 329.430 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(134, 1, 129) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(134, 1, 129) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(134, 1, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 1, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 1, 129);  
box-shadow:4px 4px 4px 4px rgb(134, 1,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 69.656, 329.430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 1, 129) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(134, 1,  
129) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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